1    15.    The symbiotic computing system of claim 1, wherein actions are buffered by at

2    least one of the symbiotic partners.

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1    16.    The symbiotic computing system of claim 1, wherein actions affecting the

2    managed resource are investigated to determine whether they are consistent.

1

1    17.    The symbiotic computing system of claim 16, wherein upon determining that

2    actions are inconsistent, some of the inconsistent actions are rejected.

1

1    18.    The symbiotic computing system of claim 16, wherein actions are ordered in an

2    attempt to determine whether they are inconsistent.

1

1    19.    The symbiotic computing system of claim 16, wherein when it is determined that

2    actions are inconsistent, multiple copies of the managed resource are created.


## REMARKS

5    In the Office Action, the Drawings were objected to, the specification at page 16, lines

21-23 was objected to, and claims 1-19 were rejected under 35 U.S.C. 103(a) as being patentable

over various combinations of Kontothanassis et al. (U.S. Patent No. 6,341,339), Slaughter (U.S.

Patent No. 6,058,400), and Choquier et al. (U.S. Patent No. 5,774,668).

In response to the objection to the drawings, the drawings have been amended. Attached

10   hereto are format drawings that overcome the objections of the Official Draftsperson. In

response to the objection to the specification, the objected to portion of the specification has been

amended. In response to the obviousness rejections, independent claim 1 and various dependent claims have been amended.

In particular, amended claim 1 requires a symbiotic computing system. The symbiotic computing system includes a plurality of symbiotic partners communicatively coupled with one

5     another, each of the plurality of symbiotic partners having a respective instance of a managed resource; (2) at least two symbiotic partners of the plurality of symbiotic partners receiving input from a local user affecting a respective instance of the managed resource; (3) the at least two symbiotic partners producing respective actions based upon the respective input and storing the respective input; (4) each of the at least two symbiotic partners awaiting availability of

10     communication paths to each other of the plurality of symbiotic partners; (5) each of the at least two symbiotic partners transmitting respective actions to the each other of the symbiotic partners; and (6) the each other of the symbiotic partners receiving the respective actions from the each of the at least two symbiotic partners and using the respective actions to affect a respective instance of the managed resource to maintain coherency of the managed resource.

15     In contradistinction to the required elements of claim 1, the cited references singularly or in combination fail to teach or suggest a symbiotic computing system that includes a plurality of symbiotic partners communicatively coupled with one another, where each of the plurality of symbiotic partners having a respective instance of a managed resource, at least two symbiotic partners of the plurality of symbiotic partners receiving input from a local user affecting a

20     respective instance of the managed resource, the at least two symbiotic partners producing respective actions based upon the respective input and storing the respective input, each of the at least two symbiotic partners awaiting availability of communication paths to each other of the plurality of symbiotic partners, each of the at least two symbiotic partners transmitting respective

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actions to the each other of the symbiotic partners, and the each other of the symbiotic partners receiving the respective actions from the each of the at least two symbiotic partners and using the respective actions to affect a respective instance of the managed resource to maintain coherency of the managed resource.

5      Further, the claims that depend from claim 1 include additional limitations that the cited prior art fails to teach, disclose, or suggest. In particular, claim 2, that depends from claim 1 includes the additional limitations that the managed resource comprises a data entity, each of the symbiotic partners retains a respective instance of the data entity, and alterations made to an instance of the data entity are made to each other instance of the data entity to maintain

10     coherency. The cited references fail to teach, disclose, or suggest the teachings of claim 2.

Amended claim 3, that depends from claim 2, requires that alterations made to any instance of the data entity are made to each other instance of the data entity to maintain coherency when communication paths from the each of the at least two symbiotic partners to each other of the plurality of symbiotic partners are available and the respective actions are

15     transmitted. The cited references fail to teach, disclose, or suggest the teachings of claim 3.

Amended claim 4, that depends from claim 3, requires that the alterations made to any instance of the data entity are made to each other instance of the data entity to maintain coherency. The cited references fail to teach, disclose, or suggest the teachings of claim 4. Amended claim 5, that depends from claim 2, requires that the data entity is selected from the

20     group consisting of data files, data bases, configuration files and source files. The cited references fail to teach, disclose, or suggest the teachings of either claim 4 or claim 5.

As is evident from the claims that are provided above, claims 6-19 include limitations that are also not disclosed, taught, or suggested by the cited prior art references. For the reasons
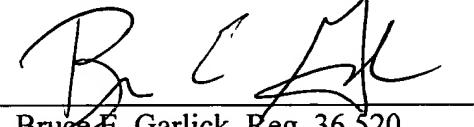
8

that amended independent claim 1 is allowable, and because of the additional limitation found in dependent claims 2-19, claims 1-19 are in a condition for allowance. Thus, a notice of allowance is courteously solicited. Please direct any questions or comments to the undersigned attorney.

5

Respectfully submitted,

Date: October 22, 2002

By: _____
Bruce E. Garlick, Reg. 36,520

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**Garlick, Harrison & Markison**
P.O. Box 160727
Austin, Texas 78716-0727
(512) 264-8816
(512) 264-3735 fax

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## VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the claims:

Claims 1, 3, 4, 5, 8, and 10 have been amended as indicated:

1.      1.      (Amended) A symbiotic computing system comprising:

2.      a plurality of symbiotic partners communicatively coupled with one another, each of the

3.      plurality of symbiotic partners having a respective instance of a managed resource;

4.      at least two symbiotic partners of the plurality of symbiotic partners receiving input from

5.      a local user affecting a respective instance of the managed resource;

6.      the at least two symbiotic partners producing respective actions based upon the respective

7.      input and storing the respective input;

8.      each of the at least two symbiotic partners awaiting availability of communication paths

9.      to each other of the plurality of symbiotic partners;

10.     each of the at least two symbiotic partners transmitting [the] respective actions to the

11.     each other of the symbiotic partners; and

12.     the each other of the symbiotic partners receiving the respective actions from the each of

13.     the at least two symbiotic partners and using the respective actions to affect a respective instance

14.     of the managed resource to maintain coherency of the managed resource.

1.

1.      3.      (Amended) The symbiotic computing system of claim [1] 2, wherein alterations

2.      made to any instance of the data entity are made to each other instance of the data entity to

3.      maintain coherency when communication paths from the each of the at least two symbiotic

4.      partners to each other of the plurality of symbiotic partners are available and the respective

5.      actions are transmitted.

1.

1      4.      (Amended) The symbiotic computing system of claim [1] 3, wherein alterations

2    made to [a reference] any instance of the data entity are made to each other instance of the data

3    entity to maintain coherency.

1

1      5.      (Amended) The symbiotic computing system of claim [1] 2, wherein the data

2    entity is selected from the group consisting of data files, data bases, configuration files and

3    source files.

1

1      8.      (Amended) The symbiotic computing system of claim 1, wherein the symbiotic

2    [computer] computing system resides within a client/server environment.

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1     10.      (Amended) The symbiotic computing system of claim 1, wherein the symbiotic

2    [computer] computing system resides within an object oriented environment.

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